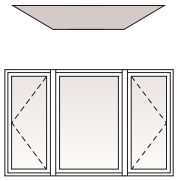
Sizing for Casement Bay Windows

30°, 45° and 90° bay windows are available in a variety of standard-size 400 Series casement window configurations, covering widths in approximately 4" (102) increments between the minimum and maximum total widths. Custom-size bay windows are available in 1/8" (3) increments. See pages 106-107 for more information.

Casement 30°, 45° and 90° Bay Windows

Order Description Examples

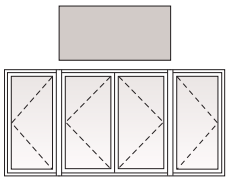
Picture With Casement Flankers



30BAY C145-P3045-C145

30° Bay
45° Bay
90° Bay
Casement Flanker Size
Picture Size (single or joined combination)
Casement Flanker Size

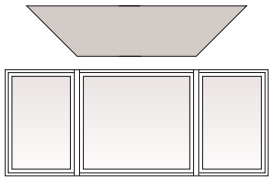
Casement With Casement Flankers



90BAY CW145-CW245-CW145

30° Bay
45° Bay
90° Bay
Casement Flanker Size
Casement Size (single, twin, triple or joined combination)
Casement Flanker Size

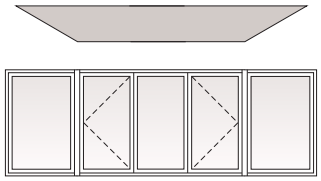
Picture With Picture Flankers



45BAY P3045-P5045-P3045

30° Bay
45° Bay
90° Bay
Picture Flanker Size
Picture Size (single or joined combination)
Picture Flanker Size

Casement With Picture Flankers



30BAY P3045-CW34-P3045

30° Bay
45° Bay
90° Bay
Picture Flanker Size
Casement Size (single, twin, triple or joined combination)
Picture Flanker Size

Design Criteria

- Minimum and maximum number of units: 3-5
- Flankers (last window on each end of combination) must be of equal size
- Flankers (last window on each end of combination) must be single units
- Center units can be single, twin or triple casement units, casement picture units or joined combinations of casement units
- Center units used in joined combinations must be of equal size

MINIMUM AND MAXIMUM WINDOW WIDTH

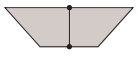
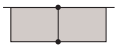
Window Configuration	Minimum and Maximum Window Width Dimensions
30° Bay	4'-2 5/8" (1286) to 12'-0 1/8" (3661)
45° Bay	3'-10 7/8" (1191) to 12'-1 3/8" (3693)
90° (Box) Bay	2'-1 3/8" (645) to 9'-8 5/8" (2962)

WINDOW HEIGHT

Window Number	Window Dimension Height	Minimum Rough Opening Height
X12	2'-1 5/8" (651)	2'-2 1/8" (664)
X125	2'-5 7/8" (759)	2'-6 3/8" (772)
X13, **P**XX30	3'-1 7/16" (951)	3'-2" (965)
X135, **P**XX35	3'-6 5/16" (1075)	3'-6 7/8" (1089)
X14, **P**XX40	4'-1 1/2" (1257)	4'-2" (1270)
X145, **P**XX45	4'-6 5/16" (1380)	4'-6 7/8" (1394)
X15, **P**XX50	5'-1 3/8" (1559)	5'-1 7/8" (1572)
X155, **P**XX55	5'-6 5/16" (1684)	5'-6 7/8" (1699)
X16, **P**XX60	6'-1 3/8" (1864)	6'-1 7/8" (1876)

Projection Dimensions

Projection dimension is dependent on the flanker window width along with the bay angle.

Casement Flanker Window Number	**CR**XX	**CN**XX	**C**XX	**CW**XX	**CX**XX	**CXW**XX			
Casement Picture Flanker Window Number						**P30**XX	**P35**XX	**P40**XX	**P45**XX
30° Bay	10 3/16" (259)	11 15/16" (303)	13 3/4" (349)	15 7/8" (403)	17 7/16" (443)	19 11/16" (500)	22 1/8" (562)	25 11/16" (652)	–
45° Bay 	14 3/16" (360)	16 5/8" (422)	19 3/16" (487)	22 3/16" (564)	24 7/16" (621)	27 9/16" (700)	31" (787)	36 1/16" (916)	39 1/2" (1003)
90° (Box) Bay 	23" (584)	26 1/2" (673)	30 1/8" (765)	34 3/8" (873)	37 1/2" (953)	41 15/16" (1065)	46 13/16" (1189)	–	–

⚠ WARNING

Proper support of projecting bay and bow windows is required, see installation instructions. Failure to do so may result in injury, product or property damage.

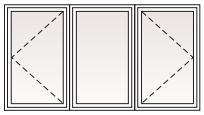
- Window Dimension always refers to outside frame-to-frame dimension.
- **Minimum Rough Opening dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items.**
- Projection Dimension refers to outside of exterior sheathing to outer edge of window.
- One Andersen® cable kit, with two cables, is included with unit for proper installation. Each cable supports a maximum load of 500 lbs/227 kgs; additional support is necessary for loads exceeding 1,000 lbs/454 kgs.
- Bay windows include only basic unit. Roof and other installation materials provided by other manufacturers.
- For walkout bay window details and installation guidelines, contact your Andersen supplier.
- Dimensions in parentheses are in millimeters.

Sizing for Casement Bow Windows

10° bow windows are available in a variety of standard-size 400 Series casement window configurations, covering widths in approximately 4" (102) increments between the minimum and maximum total widths. Custom-size bay windows are available in 1/8" (3) increments. See page 106 for more information.

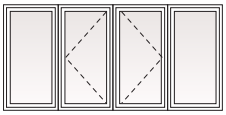
Casement 10° Bow Windows

Order Description Examples



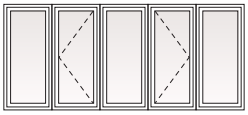
10BOW CX145-3

10° Bow | Casement or Picture Size | Number of Same Size Units



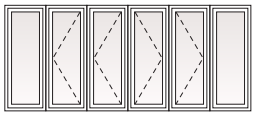
10BOW CW145-4

10° Bow | Casement or Picture Size | Number of Same Size Units



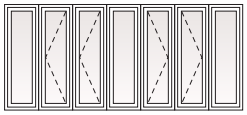
10BOW C145-5

10° Bow | Casement or Picture Size | Number of Same Size Units



10BOW CN145-6

10° Bow | Casement or Picture Size | Number of Same Size Units



10BOW CR145-7

10° Bow | Casement or Picture Size | Number of Same Size Units

Design Criteria

- Minimum and maximum number of units: 3-7
- All units must be of equal size
- Configuration must be all casement windows (left venting, right venting or stationary) or all casement picture windows

MINIMUM AND MAXIMUM WINDOW WIDTH

Window Configuration	Minimum and Maximum Window Width Dimensions
10° Bow	4'-4 1/2" (1334) to 13'-8 3/8" (4175)

WINDOW HEIGHT

Window Number	Window Dimension Height	Minimum Rough Opening Height
X12	2'-1 5/8" (651)	2'-2 1/8" (664)
X125	2'-5 7/8" (759)	2'-6 3/8" (772)
X13, **P**XX30	3'-1 7/16" (951)	3'-2" (965)
X135, **P**XX35	3'-6 5/16" (1075)	3'-6 7/8" (1089)
X14, **P**XX40	4'-1 1/2" (1257)	4'-2" (1270)
X145, **P**XX45	4'-6 5/16" (1380)	4'-6 7/8" (1394)
X15, **P**XX50	5'-1 3/8" (1559)	5'-1 7/8" (1572)
X155, **P**XX55	5'-6 5/16" (1684)	5'-6 7/8" (1699)
X16, **P**XX60	6'-1 3/8" (1864)	6'-1 7/8" (1876)

Projection Dimensions

Projection dimension is dependent on the window width along with the total number of windows.

Casement Window Number	**CR**XX	**CN**XX	**C**XX	**CW**XX	**CX**XX	**CXW**XX			
Casement Picture Window Number						**P35**XX	**P40**XX	**P45**XX	**P50**XX
3-Wide	4 5/16" (110)	4 15/16" (125)	5 9/16" (141)	6 5/16" (160)	6 7/8" (175)	7 5/8" (194)	8 7/16" (214)	9 11/16" (246)	10 9/16" (268)
4-Wide	7 3/8" (187)	8 9/16" (217)	9 13/16" (249)	11 5/16" (287)	12 3/8" (314)	13 7/8" (352)	15 9/16" (395)	–	–
5-Wide	10 5/16" (262)	12 1/8" (308)	14" (356)	16 3/16" (411)	17 13/16" (452)	–	–	–	–
6-Wide	14 13/16" (376)	17 1/2" (445)	20 1/4" (514)	–	–	–	–	–	–
7-Wide	19 1/8" (486)	22 11/16" (576)	26 3/8" (670)	–	–	–	–	–	–

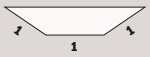
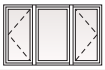
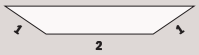
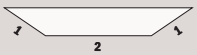
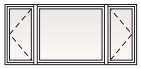
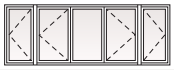
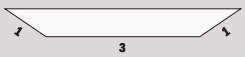
⚠ WARNING

Proper support of projecting bay and bow windows is required, see installation instructions. Failure to do so may result in injury, product or property damage.

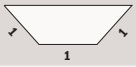
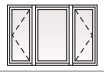
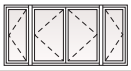
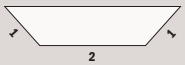
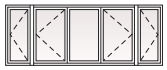
- Window Dimension always refers to outside frame-to-frame dimension.
- **Minimum Rough Opening dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items.**
- Projection Dimension refers to outside of exterior sheathing to outer edge of window.
- One Andersen® cable kit, with two cables, is included with unit for proper installation. Each cable supports a maximum load of 500 lbs/227 kgs; additional support is necessary for loads exceeding 1,000 lbs/454 kgs.
- Bow windows include only basic unit. Roof and other installation materials provided by other manufacturers.
- For walkout bow window details and installation guidelines, contact your Andersen supplier.
- Dimensions in parentheses are in millimeters.

Individual window units are available custom sized in 1/8" (3) increments. In addition to venting shown in tables, other standard configurations are available. Choose left venting, right venting or stationary as viewed from the exterior. Measurement guide can be found at **andersenwindows.com/measure**.

Custom Sizes and Projection Range for Casement 30° Bay Windows

Sash Ratio Window Configuration	Center Window Venting Configuration	30° Bay Window Dimension					Projection	
		Minimum Width Inches/(mm)	Maximum Width Inches/(mm)		Minimum Height Inches/(mm)	Maximum Height Inches/(mm)	Minimum Inches/(mm)	Maximum Inches/(mm)
1:1:1 	Venting or Stationary 	50" (1270)	101 1/2" (2578)	x	26 1/8" (664)	73 7/8" (1876)	10 1/4" (260)	19 5/8" (498)
1:2:1 	Venting or Stationary	67 3/8" (1711)	137 1/2" (3493)	x	26 1/8" (664)	73 7/8" (1876)	10 1/4" (260)	19 5/8" (498)
1:2:1 	Picture 	70 7/8" (1800)	115 1/4" (2927)	x	38" (965)	73 7/8" (1876)	10 3/4" (273)	16 5/8" (422)
		115 1/4" (2927)	137 5/8" (3496)	x	38" (965)	61 7/8" (1571)	16 5/8" (422)	19 5/8" (498)
1:3:1	Venting or Stationary 	84 1/2" (2146)	144" (3658)	x	26 1/8" (664)	73 7/8" (1876)	10 1/4" (260)	16 1/2" (419)
1:3:1 	Picture	83 7/8" (2130)	97 7/8" (2486)	x	38" (965)	73 7/8" (1876)	10 1/4" (260)	11 5/8" (295)
		97 7/8" (2486)	116 7/8" (2969)	x	38" (965)	61 7/8" (1571)	11 5/8" (295)	13 5/8" (346)

Custom Sizes and Projection Range for Casement 45° Bay Windows

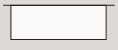
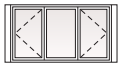
Sash Ratio Window Configuration	Center Window Venting Configuration	45° Bay Window Dimension					Projection	
		Minimum Width Inches/(mm)	Maximum Width Inches/(mm)		Minimum Height Inches/(mm)	Maximum Height Inches/(mm)	Minimum Inches/(mm)	Maximum Inches/(mm)
1:1:1 	Venting or Stationary 	45 3/4" (1162)	91 1/4" (2318)	x	26 1/8" (664)	73 7/8" (1876)	14 3/16" (360)	27 1/2" (699)
1:2:1	Venting or Stationary 	63" (1600)	127 1/4" (3232)	x	26 1/8" (664)	73 7/8" (1876)	14 1/4" (362)	27 1/2" (699)
1:2:1 	Picture	66" (1676)	106 7/8" (2715)	x	38" (965)	73 7/8" (1876)	14 7/8" (378)	23 1/4" (591)
		106 7/8" (2715)	127 1/4" (3232)	x	38" (965)	61 7/8" (1571)	23 1/4" (591)	27 1/2" (699)
1:3:1	Venting or Stationary 	80 1/8" (2035)	144" (3658)	x	26 1/8" (664)	73 7/8" (1876)	14 1/4" (362)	24 5/16" (618)
1:3:1	Picture	79 5/8" (2023)	92 3/4" (2356)	x	38" (965)	73 7/8" (1876)	14 3/16" (360)	16 1/4" (413)
		92 3/4" (2356)	110 3/8" (2804)	x	38" (965)	61 7/8" (1571)	16 1/4" (413)	19" (483)

⚠ WARNING

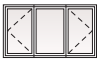
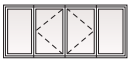
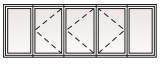
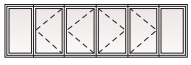
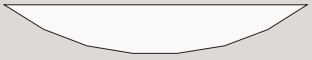
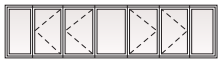
Proper support of projecting bay and bow windows is required, see installation instructions. Failure to do so may result in injury, product or property damage.

- Window Dimension always refers to outside frame-to-frame dimension.
- **Minimum Rough Opening dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items.**
- Projection Dimension refers to outside of exterior sheathing to outer edge of window.
- One Andersen® cable kit, with two cables, is included with unit for proper installation. Each cable supports a maximum load of 500 lbs/227 kgs; additional support is necessary for loads exceeding 1,000 lbs/454 kgs.
- Bay windows include only basic unit. Roof and other installation materials provided by other manufacturers.
- For walkout bay window details and installation guidelines, contact your Andersen supplier.
- Dimensions in parentheses are in millimeters.
- Refer to andersenwindows.com/measure for detailed instructions on how to properly measure for custom-size windows.

Custom Sizes and Projection Range for Casement 90° Bay Windows

Window Configuration	Center Window Venting Configuration	90° (Box) Bay Window Dimension					Flanker		Projection	
		Minimum Width Inches/(mm)	Maximum Width Inches/(mm)		Minimum Height Inches/(mm)	Maximum Height Inches/(mm)	Minimum Width Inches/(mm)	Maximum Width Inches/(mm)	Minimum Depth Inches/(mm)	Maximum Depth Inches/(mm)
	Picture	38 1/4" (972)	61 7/8" (1572)	x	38" (965)	73 7/8" (1876)	17" (432)	35 7/8" (911)	21 1/2" (546)	40 3/8" (1026)
	Picture	61 7/8" (1572)	74 1/8" (1883)	x	38" (965)	61 7/8" (1572)	17" (432)	35 7/8" (911)	21 1/2" (546)	40 3/8" (1026)
	Venting or Stationary	36 3/8" (924)	74 1/4" (1886)	x	26 1/8" (664)	73 7/8" (1876)	17" (432)	35 7/8" (911)	21 1/2" (546)	40 3/8" (1026)
	Venting or Stationary 	53 1/2" (1359)	110 3/8" (2804)	x	26 1/8" (664)	73 7/8" (1876)	17" (432)	35 7/8" (911)	21 1/2" (546)	40 3/8" (1026)

Custom Sizes and Projection Range for Casement 10° Bow Windows

Window Configuration	Center Window Venting Configuration	10° Bow Window Dimension					Projection	
		Minimum Width Inches/(mm)	Maximum Width Inches/(mm)		Minimum Height Inches/(mm)	Maximum Height Inches/(mm)	Minimum Depth Inches/(mm)	Maximum Depth Inches/(mm)
3-Wide	Venting or Stationary 	52 1/2" (1334)	108 7/8" (2765)	x	26 1/8" (664)	73 7/8" (1876)	4 3/8" (111)	7 5/8" (194)
4-Wide	Venting or Stationary 	69 1/2" (1765)	143 7/8" (3654)	x	26 1/8" (664)	73 7/8" (1876)	7 3/8" (187)	13 7/8" (352)
5-Wide	Venting or Stationary 	85 7/8" (2181)	164 1/4" (4172)	x	26 1/8" (664)	73 7/8" (1876)	10 3/8" (264)	18 5/8" (473)
6-Wide	Venting or Stationary 	101 5/8" (2581)	164 1/4" (4172)	x	26 1/8" (664)	73 7/8" (1876)	14 7/8" (378)	23 3/16" (589)
7-Wide 	Venting or Stationary 	116 5/8" (2962)	164 1/4" (4172)	x	26 1/8" (664)	73 7/8" (1876)	19 3/16" (487)	26 3/8" (670)

⚠ WARNING

Proper support of projecting bay and bow windows is required, see installation instructions. Failure to do so may result in injury, product or property damage.

- Window Dimension always refers to outside frame-to-frame dimension.
- **Minimum Rough Opening dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items.**
- Projection Dimension refers to outside of exterior sheathing to outer edge of window.
- One Andersen® cable kit, with two cables, is included with unit for proper installation. Each cable supports a maximum load of 500 lbs/227 kgs; additional support is necessary for loads exceeding 1,000 lbs/454 kgs.
- Bay and bow windows include only basic unit. Roof and other installation materials provided by other manufacturers.
- For walkout bay and bow window details and installation guidelines, contact your Andersen supplier.
- Dimensions in parentheses are in millimeters.
- Refer to andersenwindows.com/measure for detailed instructions on how to properly measure for custom-size windows.